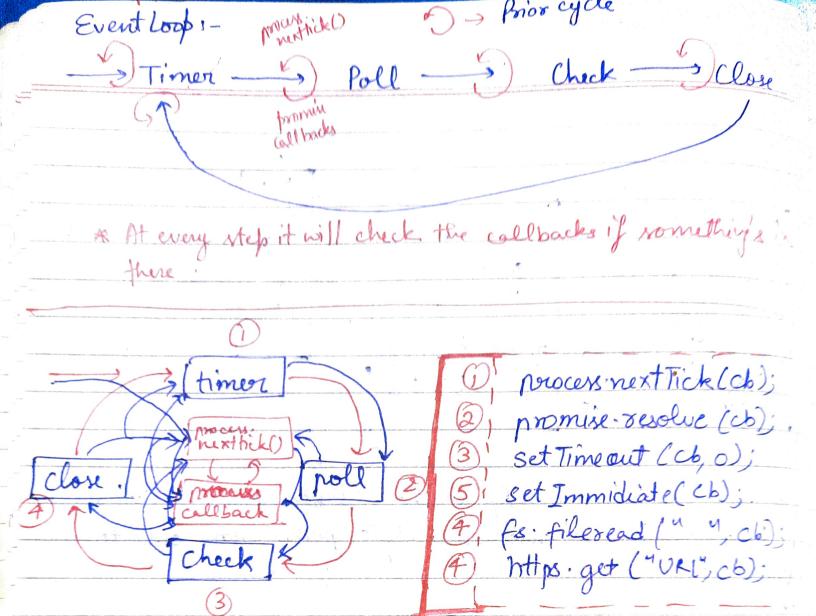
LIBUVZ-EVENT LOOP. EP-9 NODE JS OS libur Main thread V8 JS Engine Event Thread Pool Callita & Event loop continuously checke Callback queue & Callstack & whenever call Hack is empty it pushes some code to Calletack # EVENT set Timeout chicking Call Bratele setInterval timer proces. J 1/0 Call backs next Tickel) - Incoming connections poll deta fs, crypto, http.gct. close promise call back ("close") check (Callback Guene



const a = 100; set Immidiate (() > clg()); (B) Promise revolve (() > dg()); fs-readfile (" " " " " " () => €

Clg("file"); set Timeout (1) = clg ("Times"),9); process next Tick (1) > clg ("proce"); function point A() { dose promise roll 3 elg[" a=",a);. Check print A(); . (lg (" (art");. nextfice () CONSOLE. > a = 100 . Last line and or proces process nextfick promise. CALLBACK . times expired QUEUES set Immidiate . file read EVENT LOOP WAITS AT POLL PHASE IF ALL THE QUEUES ARE EMPTY Semilafinite Loop, whenit has nothing to do it waits at poll phase. (When UV quies ariempty)

EXECUTION HUSO FROM POLL

conrole process next fick > last line of file promise next fick noomin roll Event loop at poll Timer expired. timer set Immidiate set Commodiate The reading CB 2nd next fick. 2 times. 2nd set immidiate

made Next Tiek last line of file A 8 nextfile rapt tick fromise innerinent hick fromise roll timer timer. set muediale check set Commediate D file reading & NEXTICK WILL BE EXECUT FIRST Ex? of last line of file nextTick 160; Promise poll Timen Expired. next Tick times set Immidiate setlamidiate 2nd n n 2nd Timeout. file real NOTE: * One tick is the one cycle of the Event Goop. There are 2 more phases b/w timers & poll pending callbacks -> executes 1/0 callbacks deffered to next loop iteration idle, prepare -> only used internally.

by some checks for poll phase